

Additional Test Information

Antenna Information

The antenna is manufactured by Dayton Grainger. A drawing of the antenna is contained in a separate attachment to the application, titled “Question 5 FAA Antenna Sketch.pdf.” The Dayton Grainger part numbers are:

- 710031-3
- 710031-4
- 710031-5
- 710031-6
- 710031-7

Frequency Comments

The lower frequency is the carrier, and the upper frequency is the Upper Side Band frequency, which is 1400 Hz higher than the suppressed carrier frequency. For these tests, the KHF1050 will only be tested in voice mode, emissions 2K80J3E.

Test Schedule

The first KHF1050 transmitter is scheduled for delivery sometime in September. Factors such as aircraft maintenance, availability of parts and personnel, non-testing duties, etc, impact the test schedule. Therefore, we are requesting a 6-month window to perform and complete the tests. The tests will need to be repeated until they are passed. Interference tests are typically passed on the first attempt.

FAA & JAA Certification Basis

FAA Certification Basis is achieved through compliance with Code of Federal Regulations, Title 14, Part 25 Amendments 25-1 through 25-74. Amendment levels are indicated in square brackets:

- 25.1301(d)
- 25.1322 [38]
- 25.1353(a)[43]
- 25.1381[72]
- 25.1431(c)
- 25.1581(a)(2)[72]

JAA Certification Basis is achieved through compliance with Joint Aviation Regulations Part 25, Change 13:

- 25.1301(d) change 13 with Amendments 90/1, 91/1, and 93/1
- 25.1322 change 13 with Amendments 90/1, 91/1, and 93/1
- 25.1353(a) change 13 with Amendments 90/1, 91/1, and 93/1

- 25.1381 change 13 with Ammendments 90/1, 91/1, and 93/1
- 25.1431(c) change 13 with Ammendments 90/1, 91/1, and 93/1
- 25.1581(a)(2) change 13 with Ammendments 90/1, 91/1, and 93/1